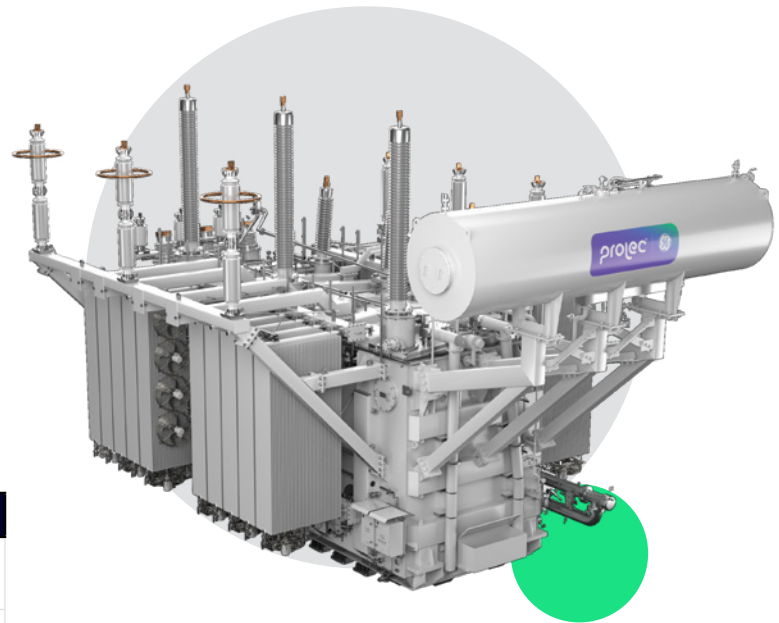


Autotransformers

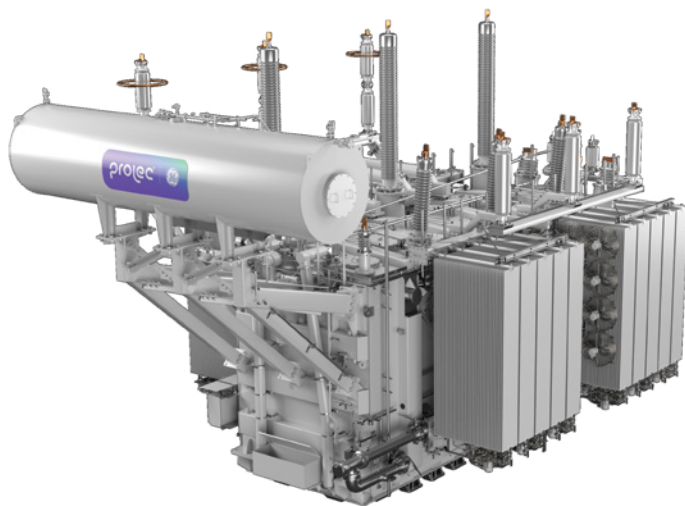
Prolec GE transformers, designed with high-grade materials and advanced technology, serve diverse utility, commercial, and industrial needs worldwide, ensuring long-term reliability. With over 300,000 MVA installed across 35 countries, Prolec GE exhibits extensive engineering and manufacturing expertise. In the realm of electric power transmission, the company offers a comprehensive range of autotransformers, shunt reactors, and transformers for FACTS applications, supporting the efficient adjustment of voltage levels in transmission lines and facilitating interconnections between systems operating at different voltage classes. Prolec GE's global footprint highlights its commitment to delivering tailored solutions to the electric industry.



Standard features	
Phases	1,000 MVA triphasic 500 MVA monophasic
Rating	550 kV (1,675 kV BIL)
High voltage	LTC or DETC
Low noise level NEMA	25 dBA
Standards	ANSI, IEEE, CSA and IEC
Frequency	50 or 60 Hz
Oil	ASTM type I
CORE	External core ground bushing
HV tap changer	De-energized operation
Cooling Class	ONAN, ONAF, ODAF

OPTIONAL FEATURES

- Cooling fans.
- On load tap changer HV or LV, in tank or external.
- Multi-ratio current transformer.
- Automatic gas preservation systems.
- Rapid pressure rise relay:
 - Under oil.
 - In gas space.
- Lighting arresters.
- Transformer oil, ASTM type II.
- Side mounted bushings ≤ 34.5 kV.
- Conservator oil system.
- Buchholz relay for conservator.
- Forced oil cooling equipment.
- Provisions only for safety rails.
- Provisions for lighting arresters.
- Schnabel preparation.
- Vegetable oil.
- Extra low gas generation during factory tests (over 75% lower than industry standards).



TRANSFORMER TESTING

Each transformer receives all standard commercial tests in accordance with ANSI, IEEE, CSA and IEC, with test reports available by serial number of the transformer:

- Polarity of windings & angular displacement.
- Ratio.
- No-load loss & exciting current.
- Load loss & impedance.
- Lighting impulse (class II).
- Low-frequency dielectric tests:
 - Applied voltage tests on all windings.
- Insulation power factor (class II).
- Induced tests.
- Partial discharge in microvolts (class II).
- Partial discharge in picocoulombs (class II).
- Dissolved gas analysis (class I).
- Temperature rise.
- Zero phase sequence.
- Front of wave.
- Switching surge.

OPTIONAL FEATURES

You can trust Prolec GE with every aspect of your transformer solution for accountability and continuity advantages. Your project team coordinates and orchestrates your entire transformer package, including:

- Rigging and mobilizations.
- Transportation.
- Installation.
- Storage preparation.
- Field services.
- Maintenance.
- Training.
- Condition assessment.
- Spare parts.

For more information:
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